



Open Gear Lube 595 NC

Conoco Open Gear Lube 595 NC is a viscous, adhesive, asphaltic-based lubricant cut back with a volatile, non-chlorinated solvent for ease of application. It is recommended for the lubrication and cushioning of open and semi-enclosed gears, such as those found in heavy equipment used in underground and surface mines, in rock quarries and for excavation.

Open Gear Lube 595 NC is formulated with high-quality paraffinic base oils, resins and asphalt. It is compounded with ashless extreme-pressure additives to provide high load-carrying capacity to protect heavily loaded gears from scoring and galling. It forms a heavy, tenacious film (after solvent evaporation) that adheres well to metal surfaces and will not harden or flake off, even at low temperatures. This film provides good resistance to water washout and protects against corrosion.

Open Gear Lube 595 NC is recommended for use at temperatures above 32°F (0°C), where pumpability is not an issue.

Applications

- Open and semi-enclosed gears, such as those found on mining equipment, draglines, power shovels, ball and rod mills, cement mills, drying kilns, and papermaking machinery and presses
- Guides and sliding surfaces with large clearances, where asphaltic-type lubricants are specified
- Cables on draglines, clamshells, shovels, hoists and other cable-operated equipment where cable clamp safety devices are not used

Open Gear Lube 595 NC meets the performance requirements of:

- AGMA Standard 9005-E02

Features/Benefits

- Excellent adhesion to metal surfaces
- Forms a heavy, tenacious film to lubricate and cushion gear teeth
- Good extreme-pressure properties for protection under heavy or shock loads

**Chlorine-Free,
Solvent-Cutback
Open Gear
Lubricant**

**U.S. Technical
Services Hot Line:
1-800-255-9556**

**U.S. Customer
Service:
1-800-640-1956**

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- Good resistance to water washout
- Protects against corrosion
- Will not flake off at low temperatures
- Does not contain any chlorine, lead or carcinogens
- Easy application, by pressure gun, brush, swab or drip cup⁽¹⁾

⁽¹⁾ **Caution:** This product contains solvent. Proper ventilation and fire safety precautions must be taken during application.

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Typical Properties

Density, g/cm ³ @ 15.6°C (60°F)	1.000
Density, lbs/gal @ 15.6°C (60°F)	8.34
Color, Visual	Black
Flash Point (COC), with solvent, °C (°F)	>93 (>199)
Solvent Content, wt %	8
Viscosity, without solvent:	
cSt @ 40°C (calculated)	18,143
cSt @ 100°C	801
SUS @ 100°F (calculated)	84,038
SUS @ 210°F	3,736
Copper Corrosion, ASTM D130	1b
Four-Ball EP, ASTM D2596, Weld Load, kgf	400
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.50
Rust Test, ASTM D665 A&B	Pass
Timken OK Load, ASTM D2782, lb	45
Minimum Application Temperature,	
°C	above 0
°F	above 32

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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